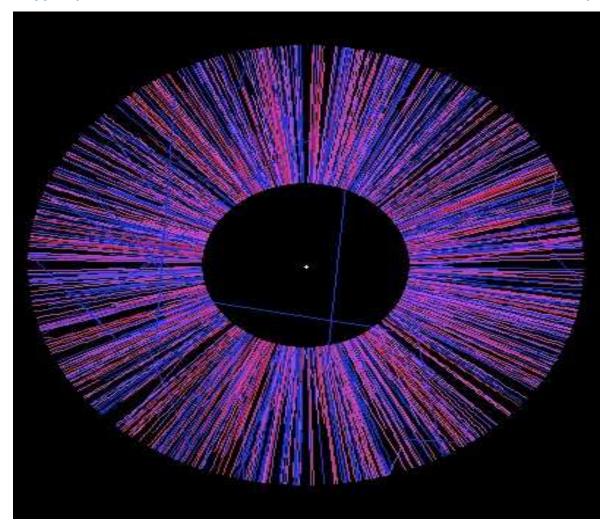
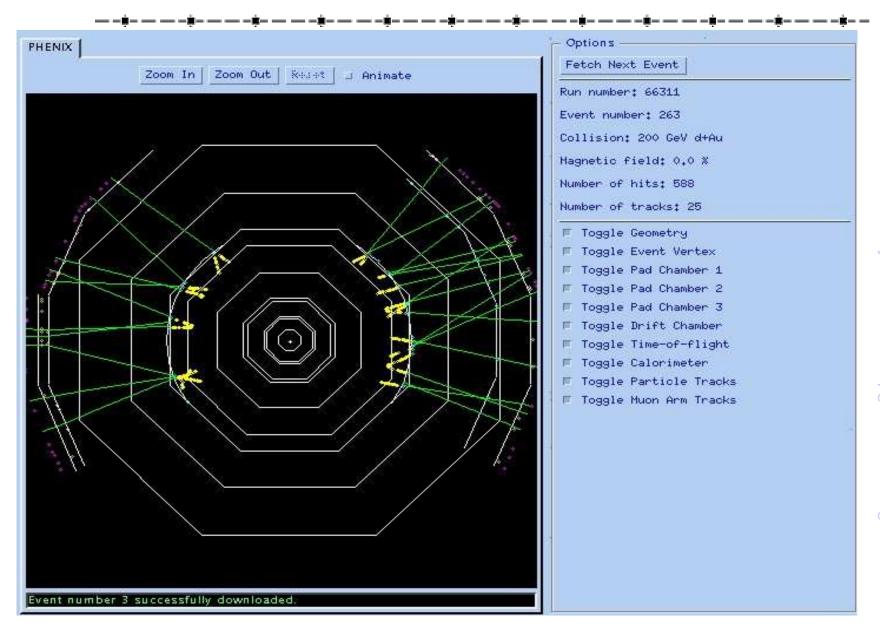
Jeffery T. Mitchell (Brookhaven National Laboratory)



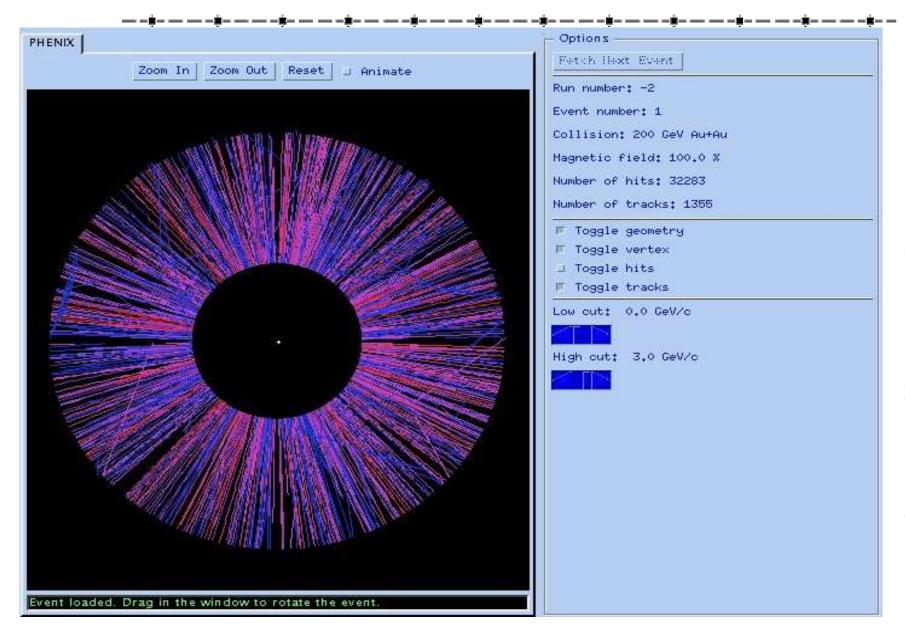
Whipping up a TPC event display

- **Started with the PHENIX Birdseye event display, written in Java and serving events as we speak.
- *The display takes event input in a generic XML format, making it extremely easy to adapt to different detectors.
- **So, I took Christine's PISA ntuples and wrote a ROOT macro that converts an event into the Birdseye XML format.
- *A little tweak on the interface, and look what comes out...

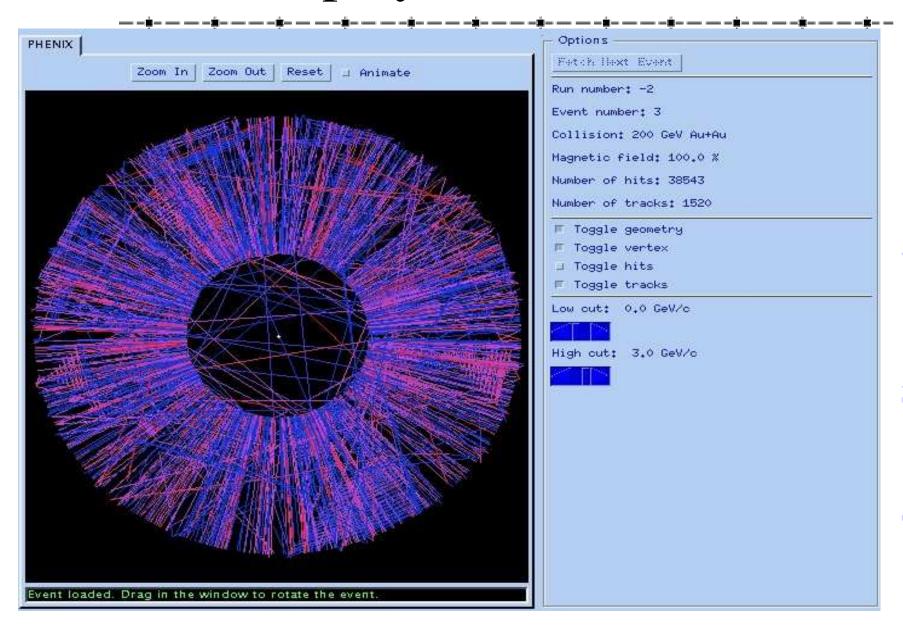
PHENIX d+Au event display



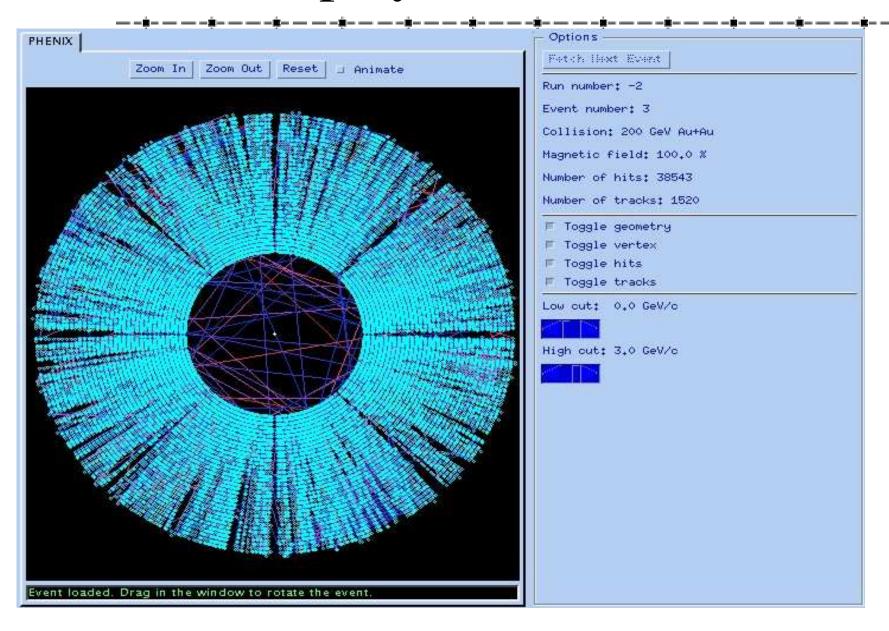
TPC event display. Nhits<40



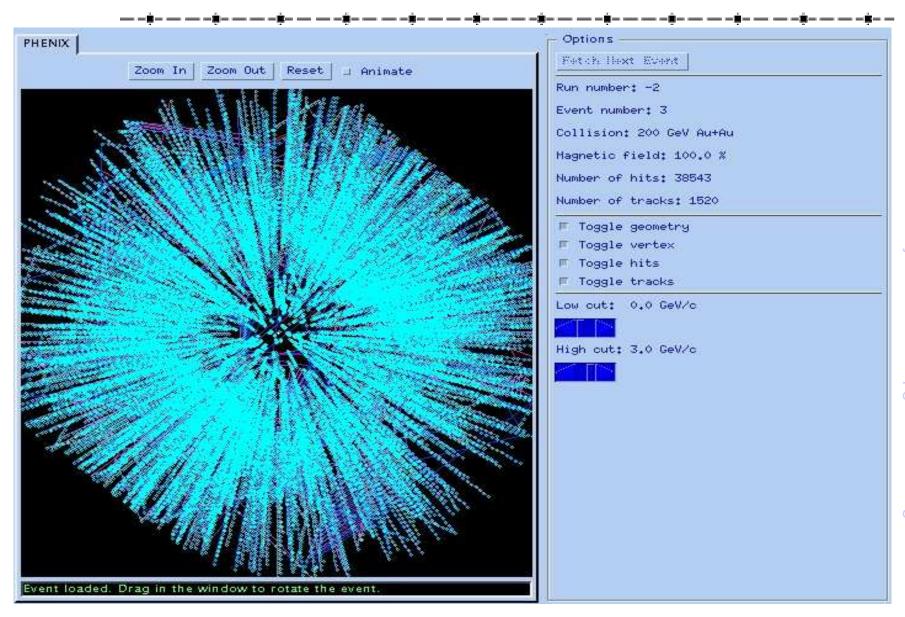
TPC Display: No cuts. Tracks.



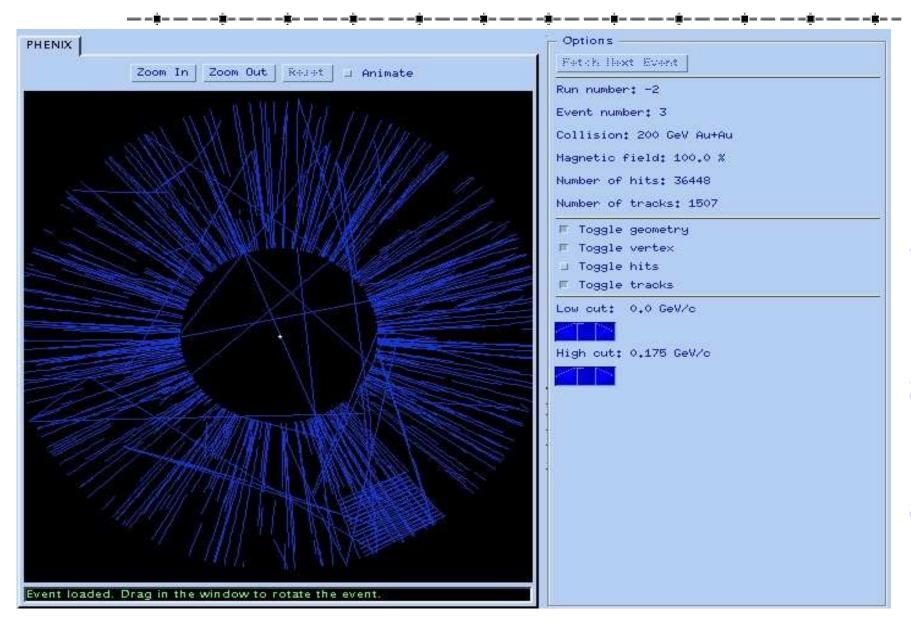
TPC Display: No cuts. Hits.



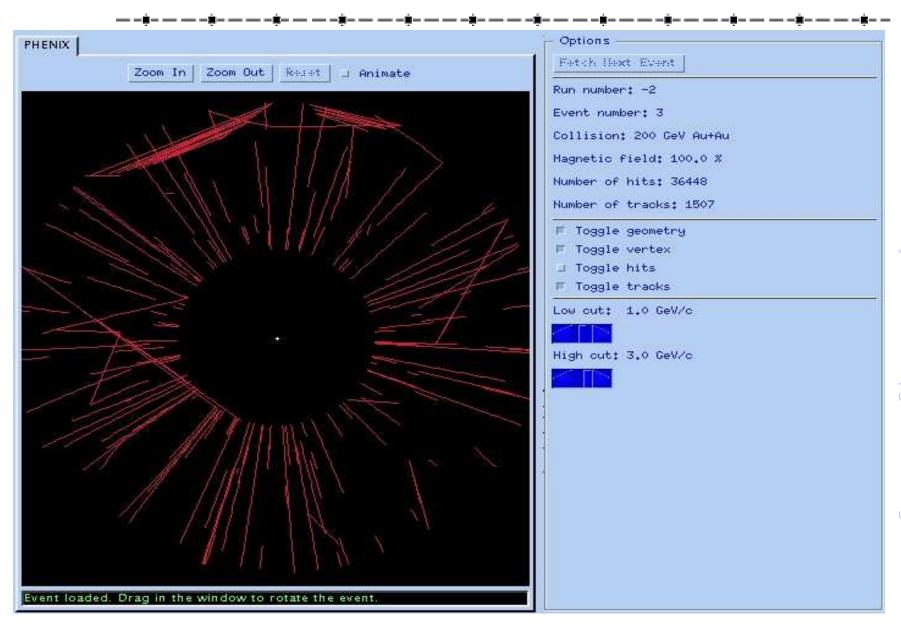
TPC Display: Rotated. Hits.



TPC Display: Low pt only.



TPC Display: High pt only.



- ** Addition of geometry (wire-frame)
- * More flexible camera interface
- **★** Selections on dE/dx and other useful quantities.
- ** Any PHENIX Birdseye development will be automatically integrated here.
- ** Also available: An Open-GL version of Birdseye for LINUX and Windows. Takes advantage of hardware graphics acceleration.
- ** Also available: POV-Ray output for static raytraced high resolution images.
- * Additional suggestions are welcome.

The PHENIX POV-Ray Produced Event

